STAT

[redacted]

At main Buss which is 90' away from location of ~~[redacted]~~ instrument

① 208/110 volts with no measurable fluctuations

② No data on 30 Amp load drop.

③ Measured no load voltage at instrument site 206+/109- volts

I conversation Phoned to [redacted] STAT

STAT

[redacted]

File PI-624

INSTALLATION ENGINEERING

I. INSTRUMENT

A. Name Enlarger, Coherent

B. Manufacturer [redacted] STAT

C. Contract Number

II. PHYSICAL FEATURES

A. Number of Component Parts Three (enlarger, elec. rack, compressor)

B. Dimensions of the Largest Component Part:
Length 11 Ft. - In. Height 6 Ft. - In.
Width 3 Ft. 10 In. NOTE: Height of equip. rack = 6'10"

C. Weight of Largest Component Part 2,150 lbs.

D. Total Weight of Instrument 2,750

E. Overall Dimensions Assembled: Does not Apply
Length _____ Ft. _____ In. Height _____ Ft. _____ In.
Width _____ Ft. _____ In.

F. Type of Base of Mount:
Flat X Three Point Suspension _____ Four Point Suspension _____

G. Does Instrument have built-in mobility? No

H. Is the instrument particularly sensitive to vibration? No

I. Are any special or unusual tools or fixtures necessary or adviseable for the installation or maintenance of this equipment?
Installation will be accomplished by Perkin-Elmer personnel & equipment.

III. UTILITIES

A. Electrical:	AC	DC
Voltage	110 Volts ± 5 Volts	None
Current	30 Amps Max.	
Frequency	60 cps	
Nr. of phases	one	
Nr. of wires	three (incl. ground)	
Power required by equipment	3K Watts	none Watts

Type of outlet required: Two Prong _____, Three Prong _____
Twist Lock _____, Permanent Installation X

Should the equipment be shielded, either from external electro-magnetic signals, or to prevent interference with other equipment?
No

B. Air Conditioning:
Room temperature 70°F ± 10°F Humidity No control required
Output of Instrument 10,000 BTU/Hr. incl. air compressor
If air must be filtered, what is maximum permissible particle size in microns? See reverse side What particle count? _____ particles per cubic foot.
Direct connection to instrument? Yes _____ No X
If yes to above, what is the desired air temperature to instrument? _____
Should discharged air be ducted separately? Yes
Is discharged air noxious? Yes toxic? Yes
Connector size to instrument 4" dia.

C. Plumbing:
Is water required for the instrument? Yes _____ No X
Water pressure _____ Flow in GPM _____
Type of water desired:
Tap _____ °F ± _____ °F
Tempered _____ °F ± _____ °F
Deionized _____ °F ± _____ °F
Filtered _____ °F ± _____ °F Particle size and count per unit volume.
Type of pipe required:
Galvanized _____ Copper _____
Stainless Steel _____ Plastic _____
Is floor drain required? Yes _____ No _____
Diameter of drain _____ Galvanized drain _____
Plastic drain _____ Glass drain _____

D. Compressed Air: See reverse side.
Diameter of connectors _____ Type of connectors _____
PSI _____ Water free? _____
CFM _____ Oil free? _____

E. Vacuum: See reverse side.
Is vacuum required? Yes _____ No _____
Vacuum required _____ PSIA or _____ (inches) (millimeters) of Hq
Displacement _____ CFM _____

IV. REMARKS

In the event additional space is required for environmental conditions or utilities not mentioned above, use the reverse side of this form.

Air conditioning: Clean room operation is recommended as dust on lenses is detrimental. Operator can determine exact requirements by experience.

Note: Air Compressor and Vacuum Pump will be supplied with the instrument. Air Compressor will include sufficient hose and cable to permit location in adjacent room. Air compressor has automatic water drain, will drain into catch bucket.

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